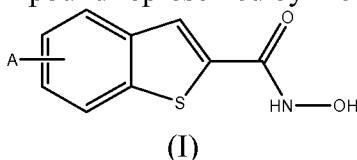
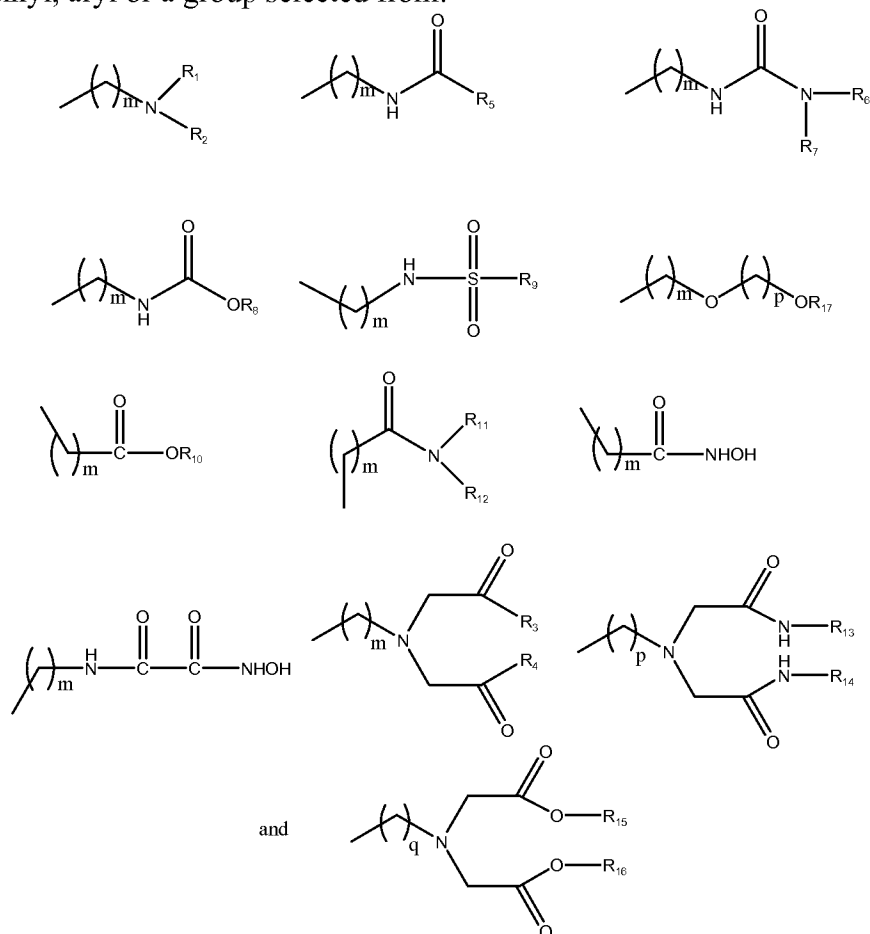


Amendments in the Claims:

1. (Original) A compound represented by the following structural Formula:



wherein A is alkyl, aryl or a group selected from:

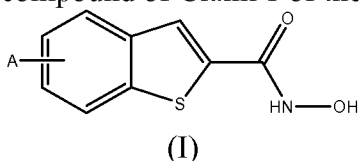


wherein R_1 - R_{17} are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, heteroalkyl, cycloalkyl, heterocyclyl, alkylaryl, cycloalkylaryl, alkylcycloalkyl, acyl, sulfonyl, or alkylheterocyclyl; or one or more of R_1 and R_2 , R_6 and R_7 , and R_{11} and R_{12} , together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

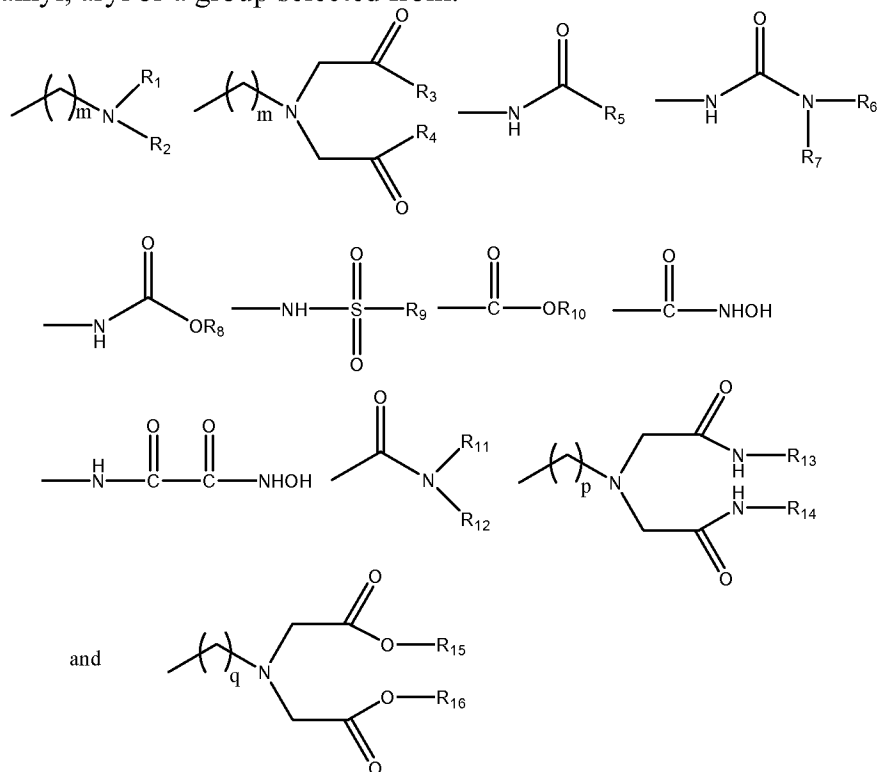
m, p and q are independently of each other 0, 1 or 2;

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

2. (Original) The compound of Claim 1 of the Formula I:



wherein A is alkyl, aryl or a group selected from:

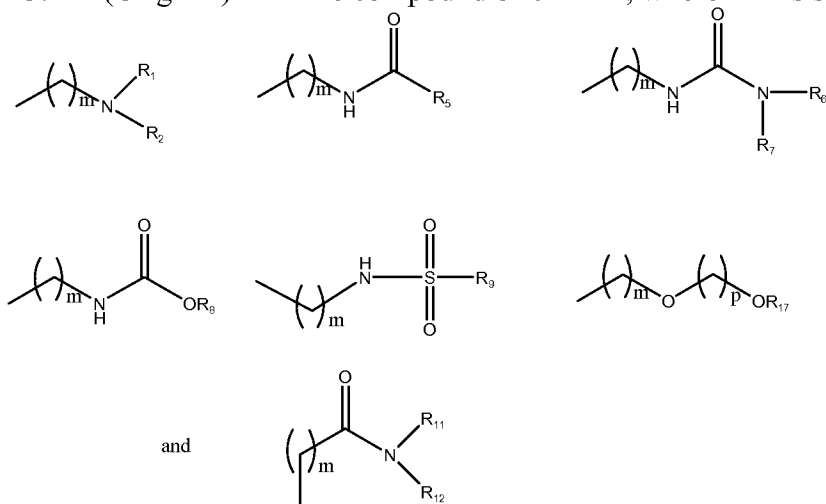


wherein R₁-R₁₆ are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, cycloalkyl, heterocyclyl, alkylaryl, alkylcycloalkyl or alkylheterocyclyl; or one or more of R₁ and R₂, R₆ and R₇, and R₁₁ and R₁₂, together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

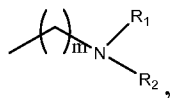
m, p and q are independently of each other 0, 1 or 2;

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

3. (Original) The compound of claim 1, wherein A is selected from:



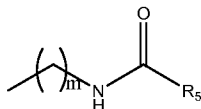
4. (Original) The compound of claim 1, wherein A is



wherein m is zero or one.

5. (Original) The compound of claim 4, wherein at least one of R₁ and R₂ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH₂CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

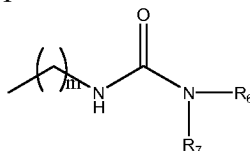
6. (Original) The compound of claim 1, wherein A is



7. (Original) The compound of claim 6, wherein R₅ is phenyl, naphthyl, biphenyl, benzyl,

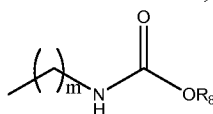
-CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

8. (Original) The compound of claim 1, wherein A is



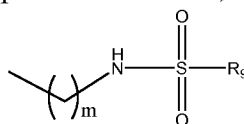
9. (Original) The compound of claim 8, wherein at least one of R₆ and R₇ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

10. (Original) The compound of claim 1, wherein A is



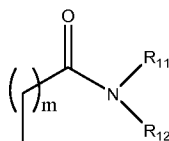
11. (Original) The compound of claim 10, wherein R₈ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

12. (Original) The compound of claim 1, wherein A is



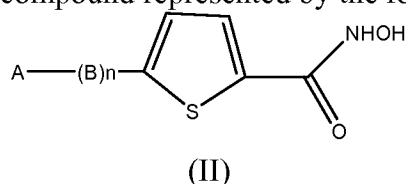
13. (Currently Amended) The compound of claim ~~12~~¹³, wherein R₉ is phenyl, 1-naphthyl, 2-naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, thiophenyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

14. (Original) The compound of claim 1, wherein A is



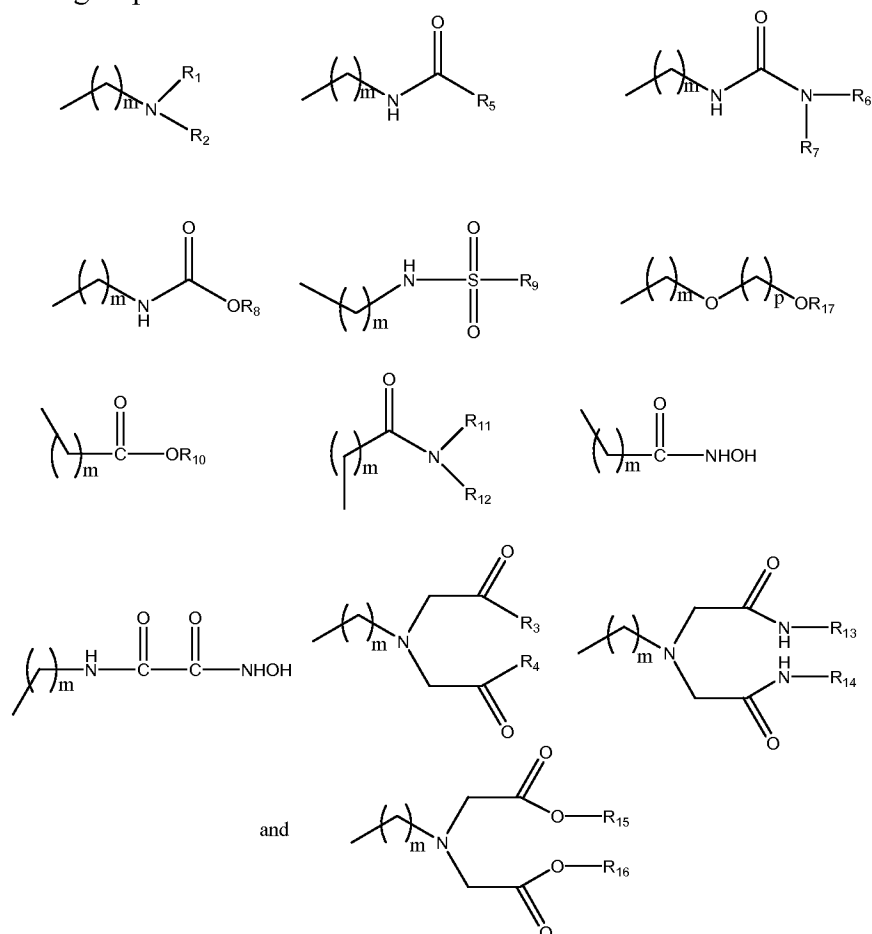
15. (Original) The compound of claim 14, wherein at least one of R_{11} and R_{12} is phenyl, naphthyl, biphenyl, benzyl, $-\text{CH}_2\text{CH}_2\text{Ph}$, $-\text{CH}=\text{CHPh}$, cyclohexyl, quinoliny, isoquinoliny, $-\text{CH}_2\text{-cyclohexyl}$, $-\text{CH}_2\text{-quinoliny}$, $-\text{CH}_2\text{-isoquinoliny}$, pyridyl, $-\text{CH}(\text{Ph})_2$, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

16. (Original) A compound represented by the following structural Formula:



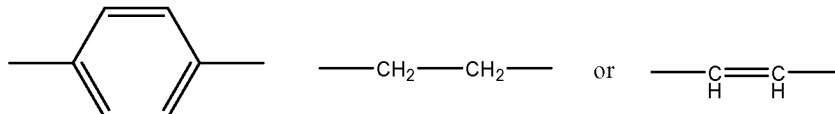
wherein

A is alkyl, aryl or a group selected from:



wherein R₁-R₁₇ are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, heteroalkyl, cycloalkyl, heterocyclyl, alkylaryl, cycloalkylaryl, alkylcycloalkyl, acyl, sulfonyl, or alkylheterocyclyl; or one or more of R₁ and R₂, R₆ and R₇, and R₁₁ and R₁₂, together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

B is

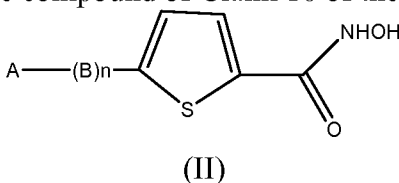


n is 0 or 1;

m, and p are independently of each other 0, 1 or 2;

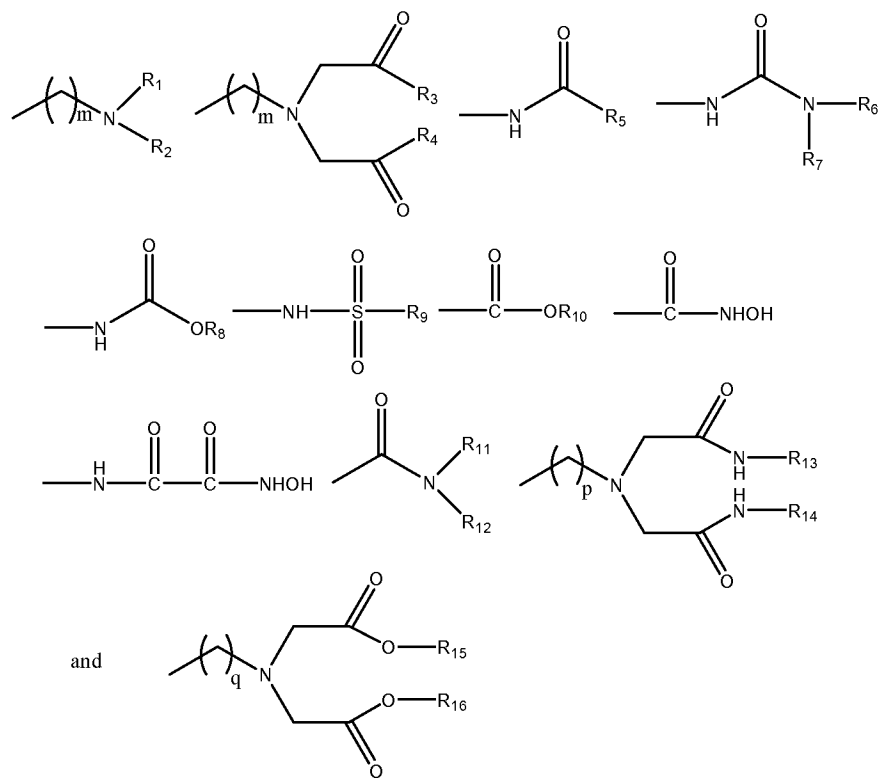
or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

17. (Original) The compound of Claim 16 of the Formula II:



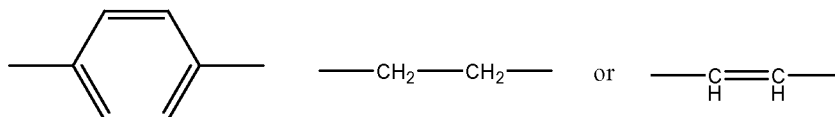
wherein

A is alkyl, aryl or a group selected from:



wherein R_1 - R_{16} are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, cycloalkyl, heterocyclyl, alkylaryl, alkylcycloalkyl or alkylheterocyclyl; or one or more of R_1 and R_2 , R_6 and R_7 , and R_{11} and R_{12} , together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

B is



n is 0 or 1;

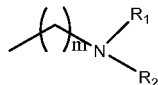
m , p and q are independently of each other 0, 1 or 2;

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

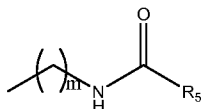
18. (Original) The compound of claim 16, wherein n is 0.

19. (Original) The compound of claim 16, wherein n is 1.

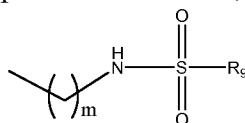
20. (Original) The compound of claim 16, wherein A is



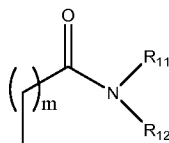
21. (Original) The compound of claim 16, wherein A is



22. (Original) The compound of claim 16, wherein A is



23. (Original) The compound of claim 16, wherein A is



24. (Original) A compound selected from:

6-Phenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Benzoylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Biphenyl-4-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3-Phenyl-propionyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-2-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Isobutyrylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Quinoline-2-carboxylic acid (2-hydroxycarbamoyl-benzo[b]thiophen-6-yl)-amide;

N-(2-Hydroxycarbamoyl-benzo[b]thiophen-6-yl)-nicotinamide;

6-Diphenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-1-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3,4-Dimethoxy-benzoylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(3,4-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Fluoro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(2,5-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(3-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Chloro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Methyl-phenylacetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Pyridin-2-yl-acetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Pyridin-3-yl-acetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Phenyl-propionyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[1-(4-Chloro-phenyl)-cyclopropanecarbonyl]-amino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1-Phenyl-cyclopropanecarbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid
hydroxyamide;

6-{[1-(4-Chloro-phenyl)-cyclobutanecarbonyl]-amino}-benzo[b]thiophene-2-carboxylic acid
hydroxyamide;

6-[2-(4-Chloro-phenyl)-2-methyl-propionylamino]-benzo[b]thiophene-2-carboxylic acid
hydroxyamide;

6-(2S-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2R-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Benzoylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Phenylacetyl-amino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[(Naphthalene-1-carbonyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid
hydroxyamide;

6-[(2-Methyl-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methyl-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Methoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3,4-Dimethoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

N-(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylmethyl)-nicotinamide;

6-(Isobutyrylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2-Methoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Chloro-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Phenylmethanesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Benzenesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Biphenyl-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Naphthalene-1-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Naphthalene-2-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Toluene-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Benzenesulfonylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Phenylmethanesulfonylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-1-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-2-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Toluene-4-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2,4,6-Trimethyl-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-tert-Butyl-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Fluoro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Chloro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Chloro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Bromo-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Bromo-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Methoxy-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Nitro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Thiophene-2-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[3-(4-Methoxy-phenoxy)-propane-1-sulfonylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3-Benzyl-ureido)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

(2-Hydroxycarbamoyl-benzo[b]thiophen-6-yl)-carbamic acid ethyl ester;

(2-Hydroxycarbamoyl-benzo[b]thiophen-6-yl)-carbamic acid benzyl ester;

6-(3-Phenethyl-ureido)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3-Benzyl-ureidomethyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylmethyl)-carbamic acid benzyl ester;

6-[3-(4-Isopropyl-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[3-(4-tert-Butyl-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[3-(3,5-Bis-trifluoromethyl-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[3-(3-Phenoxy-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Benzoylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Phenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(3-Phenyl-propionyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(3-Phenyl-acryloyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(Naphthalene-1-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(Naphthalene-2-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Quinoline-2-carboxylic acid (2-hydroxycarbamoyl-benzo[b]thiophen-5-yl)-amide;

N-(2-Hydroxycarbamoyl-benzo[b]thiophen-5-yl)-nicotinamide;

5-[(Biphenyl-4-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Diphenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Isobutyrylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(4-Fluoro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3,4-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(2,5-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(4-Chloro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(4-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-{[1-(4-Chloro-phenyl)-cyclopentanecarbonyl]-amino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Naphthalene-2-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Toluene-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Benzenesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Phenylmethanesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Naphthalene-1-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Biphenyl-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

(2-Hydroxycarbamoyl-benzo[b]thiophen-5-yl)-carbamic acid benzyl ester;

(2-Hydroxycarbamoyl-benzo[b]thiophen-5-yl)-carbamic acid ethyl ester;

5-(3-Benzyl-ureido)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Dibenzylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Dibenzylamino-benzo[b]thiophene-2-carboxylic acid methyl ester;

6-Dibenzylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Bis-phenylcarbamoymethyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Bis-phenylcarbamoymethyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Phenyl-piperazin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-3,4-Dihydro-1H-isoquinolin-2-yl-acetylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Benzyl-piperidin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

4-[(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-piperazine-1-carboxylic acid benzyl ester;

6-(2-Dibenzylamino-acetylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{2-[4-(3-Methoxy-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Pyrimidin-2-yl-piperazin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{2-[4-(2-Methoxy-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Pyridin-2-yl-piperazin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Acetyl-piperazin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Piperidin-1-yl-acetylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Morpholin-4-yl-acetylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(Benzyl-phenethyl-amino)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

{tert-Butoxycarbonylmethyl-[(2-hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-amino}-acetic acid tert-butyl ester;

6-{2-[4-(2-Chloro-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{2-[4-(3-Chloro-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

4-[(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-[1,4]diazepane-1-carboxylic acid benzyl ester;

4-[(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-piperazine-1-carboxylic acid ethyl ester;

6-{2-[4-(4-Methoxy-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-{[2-(1H-indol-2-yl)-ethyl]-amide};

Benzo[b]thiophene-2,6-dicarboxylic acid 6-benzylamide 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(pyridin-2-ylmethyl)-amide];

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(1-benzyl-piperidin-4-yl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(2,2-diphenyl-ethyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(1,2-diphenyl-ethyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-benzhydryl-amide 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(1H-benzoimidazol-2-ylmethyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(2-pyridin-2-yl-ethyl)-amide];

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(1,2,3,4-tetrahydro-naphthalen-1-yl)-amide];

6-(Piperidine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-phenylamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-indan-1-ylamide;

6-(4-Phenyl-piperazine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[4-(4-Chloro-phenyl)-piperazine-1-carbonyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(3-phenyl-propyl)-amide];

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-(phenethyl-amide);

6-(4-Benzyl-piperidine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(4-Benzyl-piperazine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-quinolin-8-ylamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(4-phenyl-thiazol-2-yl)-amide];

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(2-methoxy-benzylamide);

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(3-methoxy-benzylamide);

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(4-methoxy-benzylamide);

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(2-chloro-benzylamide) 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(3-chloro-benzylamide) 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(4-chloro-benzylamide) 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-indan-1-ylamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-{[2-(1H-indol-3-yl)-ethyl]-amide};

Benzo[b]thiophene-2,5-dicarboxylic acid 5-[(3,3-diphenyl-propyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-[(4-phenyl-butyl)-amide];

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-phenylamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(phenethyl-amide);

Benzo[b]thiophene-2,5-dicarboxylic acid 5-benzylamide 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-[(3-phenyl-propyl)-amide];

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(bis-phenylcarbamoylmethyl-amide) 2-hydroxyamide;

5-[(3-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Benzylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Phenylaminomethyl-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(3-Benzyloxy-phenylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(4-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(2-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(4-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(Benzhydryl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Phenethylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(2,2-Diphenyl-ethylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-{[2-(3,4-Bis-benzyloxy-phenyl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(3-Phenyl-propylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(3,3-Diphenyl-propylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(4-Phenyl-butylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(2-Morpholin-4-yl-ethylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(Cyclohexylmethyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(2-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(3-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-{[(1H-Benzimidazol-2-ylmethyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-{[(Pyridin-2-ylmethyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-{[2-(3,4-Dimethoxy-phenyl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-{[2-(1H-Indol-3-yl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(1-Benzyl-piperidin-4-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Benzylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Phenylaminomethyl-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Phenethylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Phenyl-propylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[(Benzo[1,3]dioxol-5-ylmethyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Indan-1-ylaminomethyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(9H-Fluoren-9-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1,2-Diphenyl-ethylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Cyclohexylmethyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1,2,3,4-Tetrahydro-naphthalen-1-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[2-(2-Methyl-1H-indol-3-yl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[(Pyridin-2-ylmethyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1-Benzyl-piperidin-4-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[2-(1H-Indol-3-yl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid ethyl ester;

6-{[Cyclohexyl-(4-methoxy-benzyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{[(4-Methoxy-benzyl)-(tetrahydro-pyran-4-yl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{(2-Hydroxy-ethyl)-(4-methoxy-benzyl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{Isopropyl-(4-methoxy-benzyl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{(4-Methoxy-benzyl)-methyl-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Acetyl-benzyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Benzyl-methanesulfonyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Benzyloxymethyl-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

3-Chloro-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Nitro-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

N-Hydroxy-N'-(2-hydroxycarbamoyl-benzo[b]thiophen-6-yl)-oxalamide;

5-{3-[(Dibenzylamino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Benzyl-quinolin-3-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-[3-(3,4-Dihydro-1H-isoquinolin-2-ylmethyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[3-(4-Phenyl-piperazin-1-ylmethyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Benzyl-quinolin-4-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Benzyl-phenethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Bis-phenylcarbamoylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Phenethyl-quinolin-3-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Phenethyl-quinolin-4-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-(3-{[(3-Phenyl-propyl)-quinolin-4-ylmethyl-amino]-methyl}-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(3-{[(3-Phenyl-propyl)-quinolin-3-ylmethyl-amino]-methyl}-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(3-{[Benzyl-(3-phenyl-propyl)-amino]-methyl}-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(4-Phenylcarbamoyl-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(4-Benzylcarbamoyl-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Benzylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenethylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Phenyl-propylcarbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(Cyclohexylmethyl-carbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Cyclohexylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(2,2-Diphenyl-ethylcarbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Benzyloxy-phenylcarbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Benzylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenethylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Phenyl-propylcarbamoyl)-ethyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(2,2-Diphenyl-ethylcarbamoyl)-ethyl]-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Cyclohexylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;

5-Phenylacetyl-amino-thiophene-2-carboxylic acid hydroxyamide;

5-Benzenesulfonylamino-thiophene-2-carboxylic acid hydroxyamide;

5-Benzoylamino-thiophene-2-carboxylic acid hydroxyamide;

5-[(Naphthalene-1-carbonyl)-amino]-thiophene-2-carboxylic acid hydroxyamide;

5-[(Naphthalene-2-carbonyl)-amino]-thiophene-2-carboxylic acid hydroxyamide;

5-Phenylmethanesulfonylamino-thiophene-2-carboxylic acid hydroxyamide;

5-(Naphthalene-2-sulfonylamino)-thiophene-2-carboxylic acid hydroxyamide; and

5-(Naphthalene-1-sulfonylamino)-thiophene-2-carboxylic acid hydroxyamide

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Original) A pharmaceutical composition comprising a pharmaceutically effective amount of the compound of any of claims 1-23, and a pharmaceutically acceptable carrier.

31. (Withdrawn) A method of inhibiting the activity of histone deacetylase 1 (HDAC-1), comprising contacting HDAC-1 with an effective amount of the compound of any one of claims 1-23 so as to inhibit the activity of HDAC-1.

32. (Withdrawn) A method of treating cancer in a subject in need of treatment comprising administering to said subject a therapeutically effective amount the compound of any one of claims 1-23.

33. (Withdrawn) The method of claim 32, wherein the cancer is selected from the group consisting of acute leukemia, acute lymphocytic leukemia (ALL), acute myeloid leukemia (AML), chronic leukemia, chronic lymphocytic leukemia (CLL), chronic myelogenous leukemia (CML), Hairy Cell Leukemia, cutaneous T-cell lymphoma (CTCL), noncutaneous peripheral T-cell lymphoma, lymphoma associated with human T-cell lymphotropic virus (HTLV), adult T-cell leukemia/lymphoma (ATLL), Hodgkin's disease, non-Hodgkin's lymphoma, large-cell lymphoma, diffuse large B-cell lymphoma (DLBCL), Burkitt's lymphoma, primary central nervous system (CNS) lymphoma, multiple myeloma, childhood solid tumors, brain tumor,

neuroblastoma, retinoblastoma, Wilm's tumor, bone tumor, soft-tissue sarcoma, head and neck cancers, oral cancer, laryngeal cancer, esophageal cancer, genito urinary cancers, prostate cancer, bladder cancer, renal cancer, uterine cancer, ovarian cancer, testicular cancer, rectal cancer, colon cancer, lung cancer, breast cancer, pancreatic cancer, melanoma and other skin cancers, stomach cancer, brain tumors, liver cancer and thyroid cancer.

34. (Cancelled)

35. (Cancelled)

36. (Withdrawn) A method of treating a disease of the central nervous system in a subject in need thereof comprising administering to said subject a therapeutically effective amount of the compound of any one of claims 1-23.

37. (Withdrawn) The method of claim 36, wherein the disease is a polyglutamine expansion disease.

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Withdrawn) A method of treating a patient having a tumor characterized by proliferation of neoplastic cells, comprising the step of administering to the patient a compound of any one of claims 1-23, in an amount effective to selectively induce terminal differentiation, induce cell growth arrest and/or induce apoptosis of such neoplastic cells and thereby inhibit their proliferation.

42. (Cancelled)

43. (Cancelled)